

# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

### January 2002

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	COVER	Heat	Cool
1	27	6	17	0.00	0.0	0		W	3.3	10.4	NW	CLR	48	0
2	31	13	22	0.00	0.0	0		N	2.9	11.2	NE	CLR	43	0
3	31	14	23	0.00	0.0	0		N	4.8	13.3	NW	CLR	42	0
4	41	13	27	0.00	0.0	0		SW	10.2	23.7	SW	CLR	38	0
5	40	27	34	0.02	0.3	0	SW-	SW	7.8	19.3	SW	CLDY	31	0
6	37	26	32	0.02	0.3	T	SW-	N	7.7	18.9	N	PC	33	0
7	27	16	22	0.00	0.0	0		NW	6.6	17.8	N	PC	43	0
8	44	18	31	0.00	0.0	0		SW	10.3	21.9	S	CLR	34	0
9	53	33	43	0.00	0.0	0		SW	6.9	17.0	W	CLR	22	0
10	49	29	39	0.00	0.0	0		NW	4.2	13.8	W	PC	26	0
11	44	29	37	0.00	0.0	0		SW	6.5	15.8	W	PC	28	0
12	42	28	35	0.00	0.0	0		W	8.4	22.6	W	PC	30	0
13	45	21	33	0.00	0.0	0		S	7.5	21.1	S	PC	32	0
14	44	33	39	T	T	0	SW-	W	11.2	31.1	W	CLDY	26	0
15	37	22	30	0.00	0.0	0		W	7.9	23.3	W	PC	35	0
16	40	23	32	0.00	0.0	0		SE	8.1	27.1	S	CLDY	33	0
17	36	20	28	0.00	0.0	0		W	5.6	16.5	W	CLR	37	0
18	32	17	25	0.00	0.0	0		W	3.4	13.6	N	CLR	40	0
19	39	21	30	T	T	T	SW-	NE	4.8	14.4	SW	CLDY	35	0
20	36	26	31	0.00	0.0	0		S	10.4	22.0	S	CLDY	34	0
21	45	27	36	0.02	0.2	T	SW-	SW	7.9	23.3	W	CLR	29	0
22	55	23	39	0.00	0.0	0		S	10.4	28.0	S	CLR	26	0
23	59	42	51	0.03	0.0	0	RW-,L-,F	S	7.7	21.0	S	CLDY	14	0
24	42	25	34	0.02	0.0	0	RW-	N	7.2	18.6	N	PC	31	0
25	50	22	36	0.00	0.0	0		SW	8.1	20.8	SW	CLR	29	0
26	56	29	43	0.00	0.0	0		S	10.4	23.3	S	CLR	22	0
27	58	33	46	0.00	0.0	0		S	9.1	22.4	S	CLR	19	0
28	64	31	48	0.00	0.0	0		S	5.6	20.0	SW	CLR	17	0
29	46	38	42	0.50	0.0	0	R,R-,L-	NW	2.2	9.9	W	CLDY	23	0
30	39	33	36	1.06	0.0	0	R,R-	NE	6.7	18.5	NE	CLDY	29	0
31	47	32	40	1.14	0.0	0	TRW,R,R-	NE	6.8	27.2	W	CLDY	25	0
<b>AVG/TOT</b>	<b>43.1</b>	<b>24.8</b>	<b>34.0</b>	<b>2.81</b>	<b>0.8</b>			<b>SW</b>	<b>7.1</b>				<b>954</b>	<b>0</b>
DEP.	+11.1	+8.1	+9.6	+0.92	-7.8			W	-0.8				-305	0

#### NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	0	5	25	0	10	8	3	3	2	0	14	8	9				
DEP	0	-8	-3	-3	-1	-2	+2	+2	-3	-3	+6	-1	-5				

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	5	2	5	0	0	0	1	1	0	0	0	2803	0	2.81
DEP	0	-1	-5	-2	0	0	-3	■	■	■	-	-696	0	+0.92

**Averages based on 1971-2000 data.** The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missin

#### WEATHER TYPES:

R = Rain      Z = Freezing rain/drizzle      D = Dust  
 L = Drizzle    IP = Ice pellets (sleet)      H = Haze  
 S = Snow      A = Hail      BS = Blowing snow  
 T = Thunder    F = Fog      RW = Rainshower    SW = Snowshower

#### PRECIP INTENSITY

- Light      Precip amount "T" = Trace  
 Moderate  
 + Heavy

**DEGREE DAYS** Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

# Champaign-Urbana Weather Highlights – January 2002

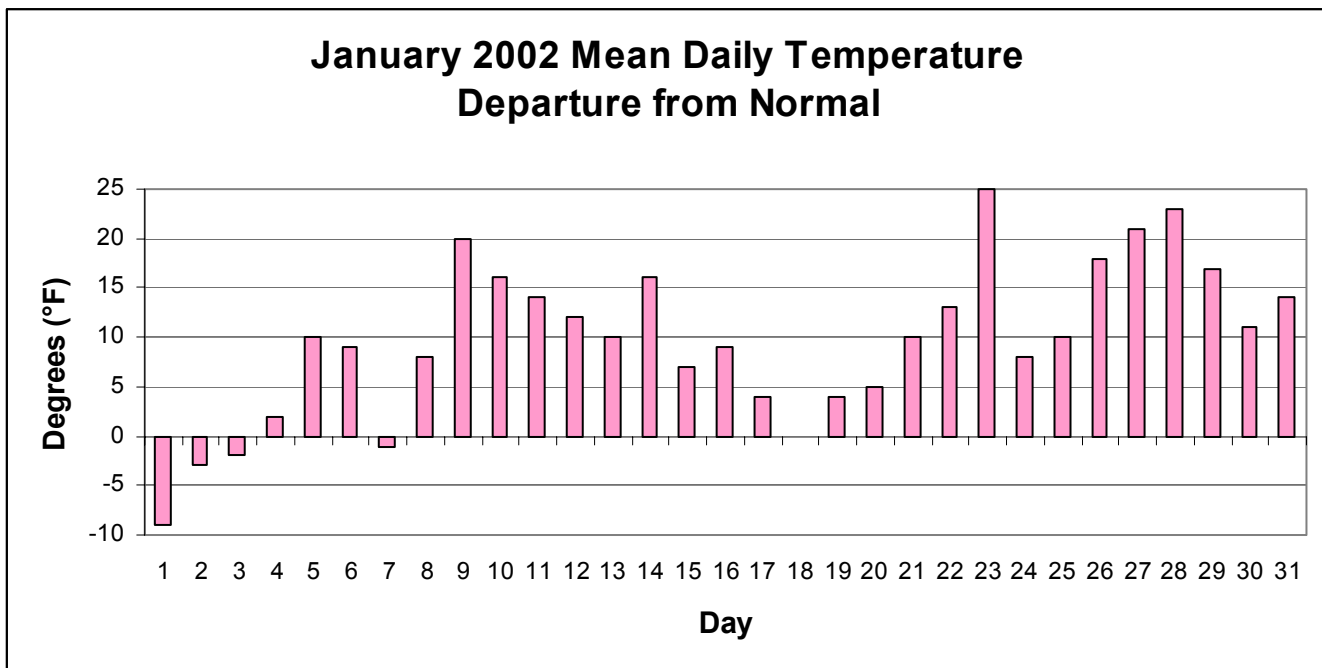
## ILLINOIS STATE WATER SURVEY

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With the mean temperature falling below normal on only four days during the month (see figure), January 2002 was the 6<sup>th</sup> warmest January since records began back in 1888. The average maximum temperature of 43.1°F was the 5<sup>th</sup> warmest on record and the minimum temperature of 24.8°F was the 12<sup>th</sup> warmest. There were no records set during the month. The only record tied was on January 28<sup>th</sup> when the temperature of 64°F tied the record maximum set back in 1914.

Through the first 28 days of the month, January 2002 was on target to be the 2<sup>nd</sup> driest January since 1888 with only 0.11 inches of precipitation. However, the storm system that moved through during the 29<sup>th</sup> through the 31<sup>st</sup> dumped 2.70 inches of rain, which was 0.81 inches greater than the average monthly total. The resulting monthly total of 2.81 inches ranks January 2002 as the 24<sup>th</sup> wettest since records began. The very dry and then very wet distribution of precipitation in January 2002 may seem familiar. During January 2001, the month started off with only 0.12 inches of precipitation during the first 25 days, followed by storms during the last week that brought 1.20 inches of precipitation.

The monthly snowfall total of 0.8 inches is the 8<sup>th</sup> lowest since snowfall records started in 1903. The lowest January snowfall occurred in 1944 when Champaign-Urbana received no measurable snowfall and the greatest snowfall occurred in January 1979 when 28.3 inches fell. So far for the meteorological winter (December and January), snowfall is 12.2 inches below the average of 14.7 inches.



MCP

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>